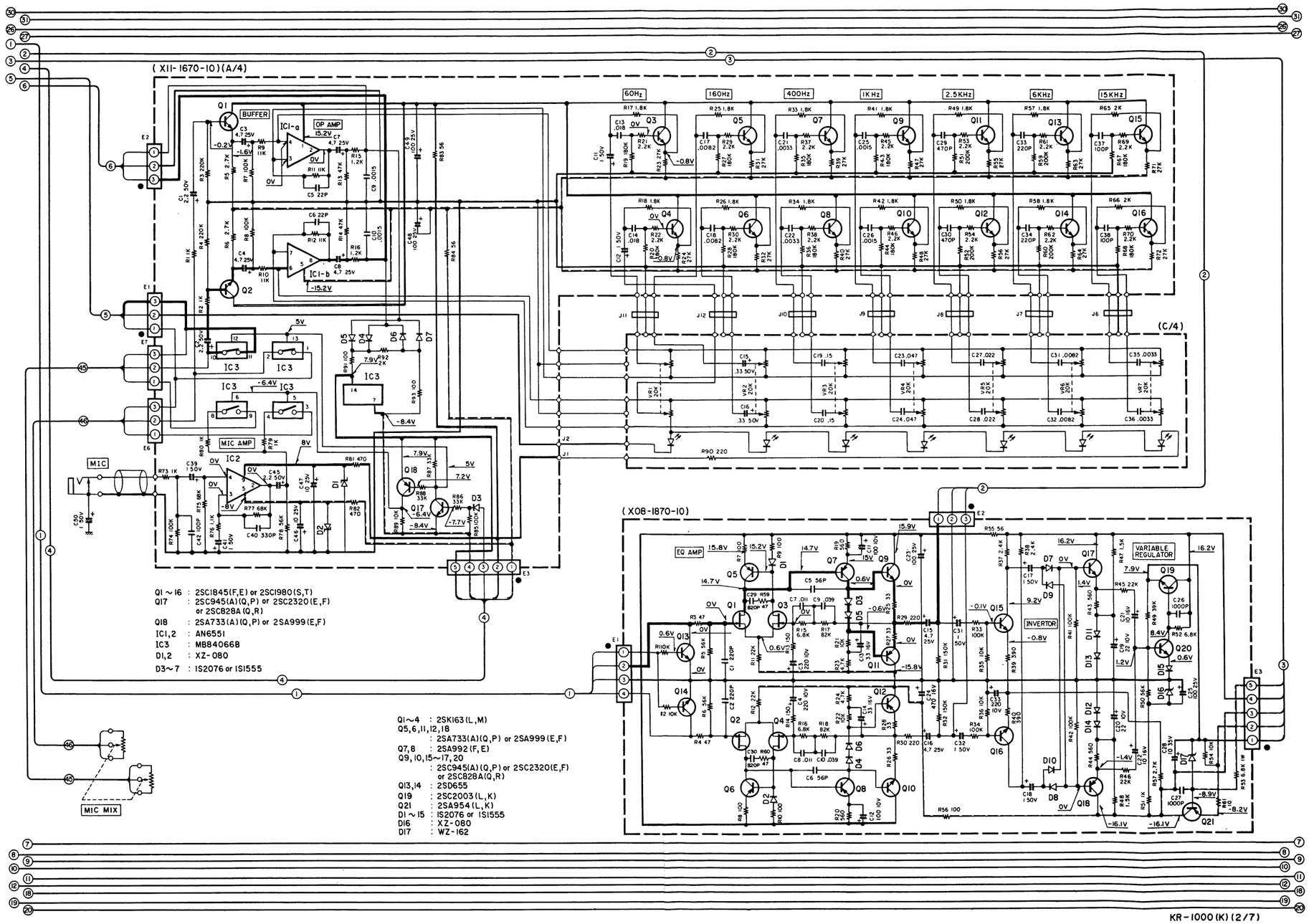
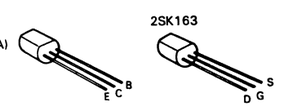


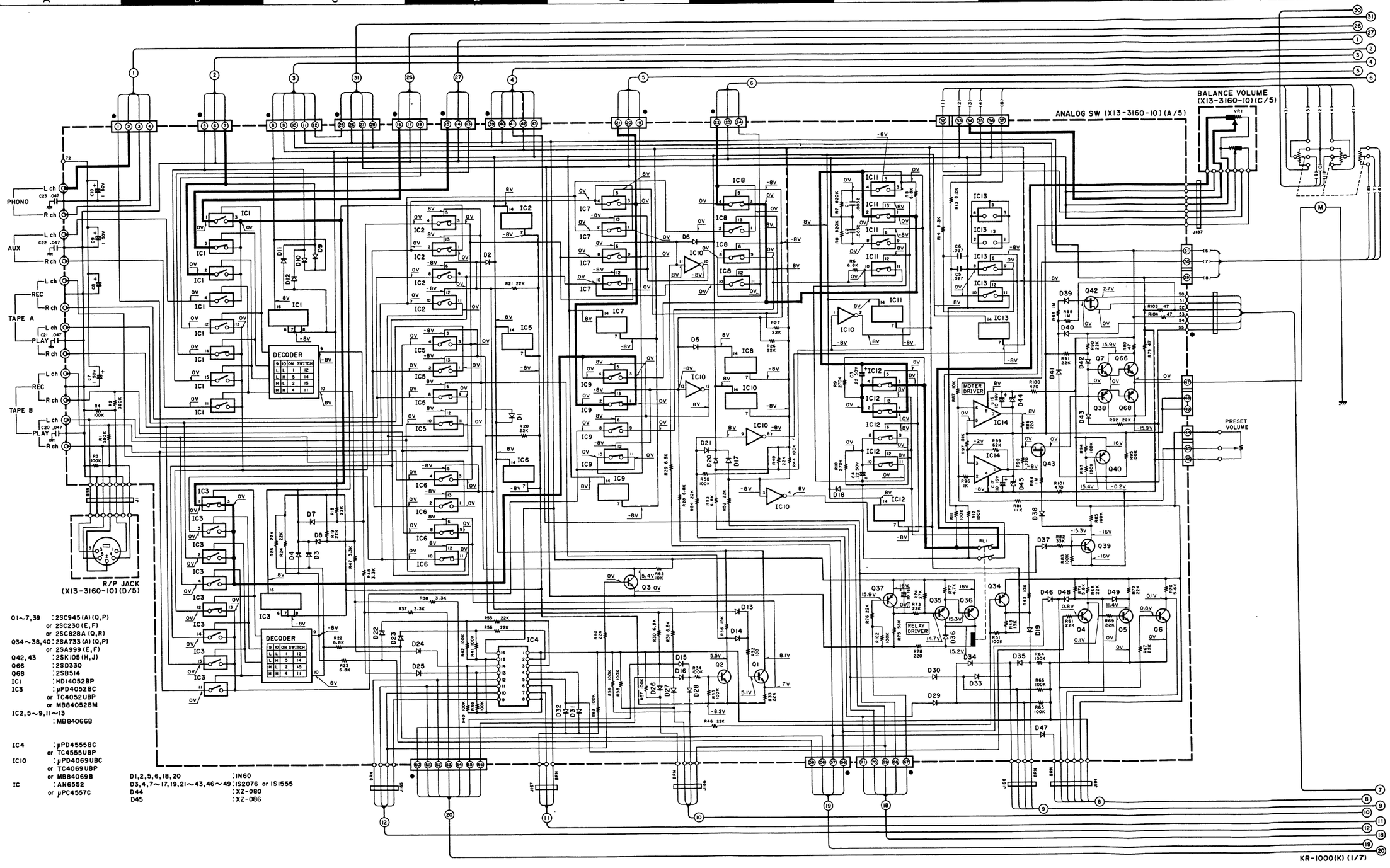
Q1 ~ 16 : 2SC1845(F,E) or 2SC1980(S,T)
Q17 : 2SC945(A)(Q,P) or 2SC2320(E,F) or 2SC828A(Q,R)
Q18 : 2SA733(A)(Q,P) or 2SA999(E,F)
IC1,2 : AN6551
IC3 : MB84066B
D1,2 : XZ-080
D3~7 : IS2076 or ISI555

Q1~4 : 2SK163(L,M)
Q5,6,11,12,18 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q7,8 : 2SA992(F,E)
Q9,10,15~17,20 : 2SC945(A)(Q,P) or 2SC2320(E,F) or 2SC828A(Q,R)
Q13,14 : 2SD655
Q19 : 2SC2003(L,K)
Q21 : 2SA954(L,K)
D1~15 : IS2076 or ISI555
D16 : XZ-080
D17 : WZ-162

2SA733 (A)	2SC828
2SA945 (A)	2SC945 (A)
2SA954	2SC2003
2SA992	2SC2320
2SA999	2SD655



2SK163

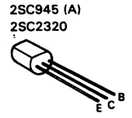


Q1~7,39 : 2SC945(A)(Q,P) or 2SC230(E,F) or 2SC828A(Q,R)
Q34~38,40 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q42,43 : 2SK105(H,J)
Q66 : 2SD330
Q68 : 2SB514
IC1 : HD14052BP
IC3 : μPD4052BC or TC4052UBP or MB84052BM
IC2,5~9,11~13 : MB84066B

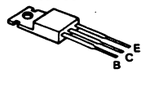
IC4 : μPD4555BC or TC4555UBP
IC10 : μPD4069UBC or TC4069UBP or MB84069B
IC : AN6552 or μPC4557C

D1,2,5,6,18,20 : 1N60
D3,4,7~17,19,21~43,46~49 : IS2076 or IS1555
D44 : XZ-080
D45 : XZ-086

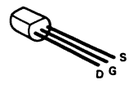
2SA733 (A) 2SC945 (A)
2SA999 2SC2320
2SC828 (A)



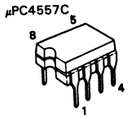
2SB514
2SD330



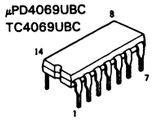
2SK105



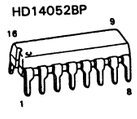
μPC4557C



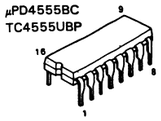
μPD4069UBC
TC4069UBC



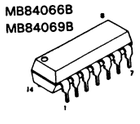
HD14052BP



μPD4555BC
TC4555UBP



MB84066B
MB84069B



AN6552

KENWOOD

AM-FM STEREO RECEIVER

LAMP (X13-3160-10) (B/5)

(X13-3160-10)(E/5)

LAMP DRIVER

(X13-3230-10)(C/7)

(X13-3230-10)(B/7)

(X13-3230-10)(G/7)

(J25-1952-04)

(X13-3230-10)(E/7)

(X13-3230-10)(D/7)

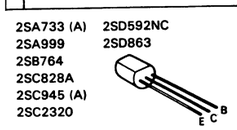
(X13-3230-10)(F/7)

KEY BOARD (X13-3230-10)(A/7)

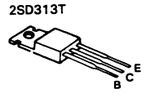
Q8 ~ 33 : 2SC945(A)(Q,P) or 2SC2320(E,F)
2SC828A(Q,R)
Q41 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q44~65 : 2SD863 or 2SD592NC
Q67 : 2SD313T-AL
Q69 : 2SB764
D50~56,58~61,63~77
: IS2076 or IS1555
D57 : XZ-062
D62 : XZ-080

2SA733 (A)
2SA999
2SB764
2SC828A
2SC945 (A)
2SC2320

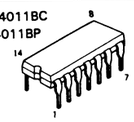
2SD592NC
2SD863



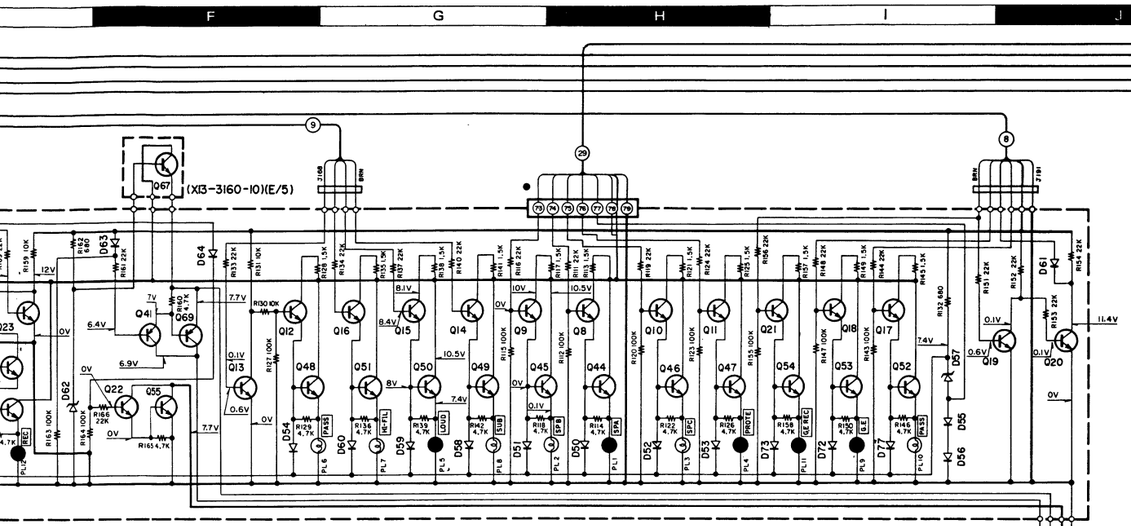
2SD313T

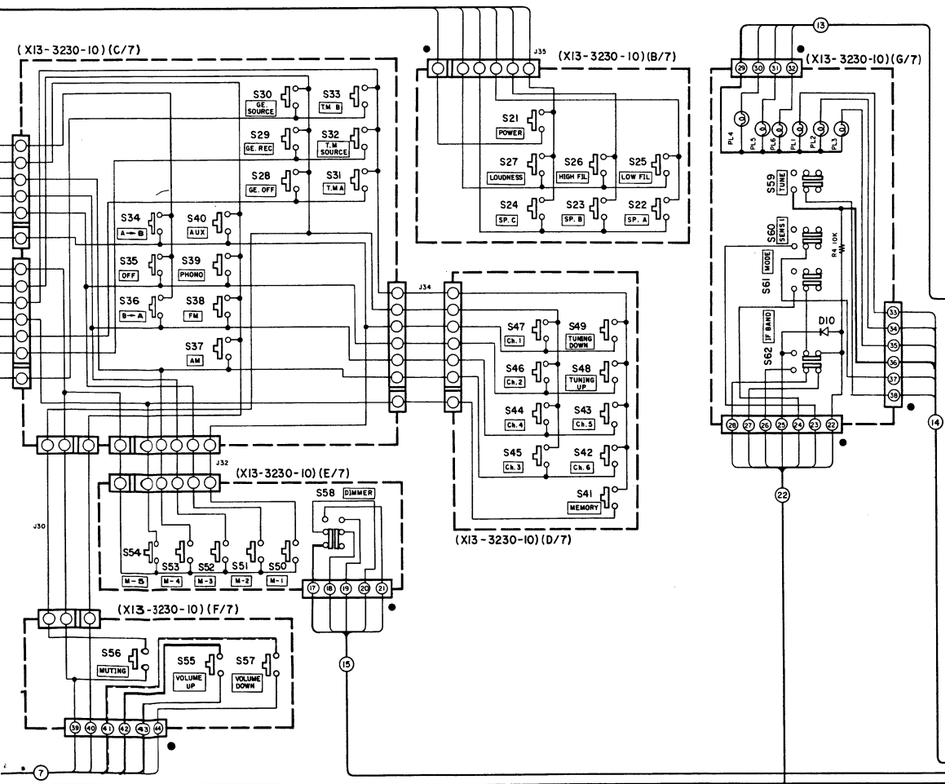


μPD4011BC
TC4011BP

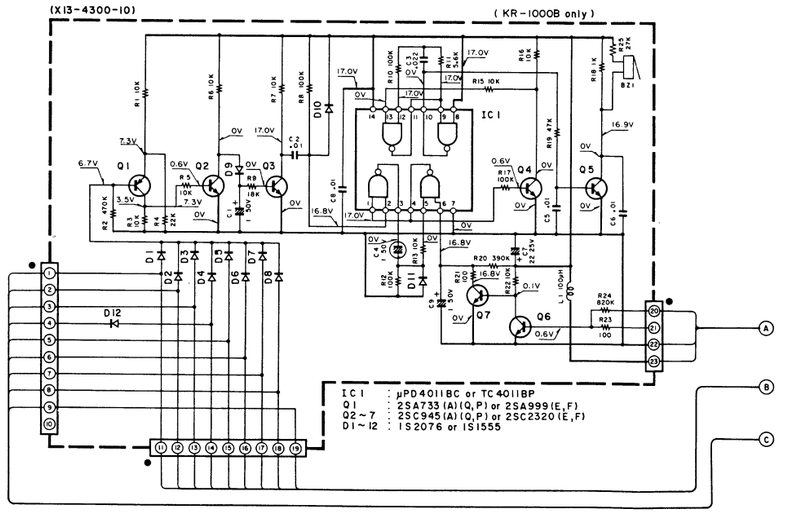


KR-1000(K)(3/7)





Q8 ~ 33 : 2SC945(A)(Q,P) or 2SC2320(E,F)
2SC828A(Q,R)
Q41 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q44~65 : 2SD863 or 2SD592NC
Q67 : 2SD313T-AL
Q69 : 2SB764
D50~56,58~61,63~77
: IS2076 or IS1555
D57 : XZ-062
D62 : XZ-080



IC1 : μPD4011BC or TC4011BP
Q1 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q2~7 : 2SC945(A)(Q,P) or 2SC2320(E,F)
D1~12 : IS2076 or IS1555

KR-1000(K)

KR-1000(K)(3/7)

KENWOOD

AM-FM STEREO RECEIVER

IC6 :MB74LS42M
IC7 :μPD553C-127
IC8 :MB84020B or μPD4020C or TC4020UBP
IC9 :μPD4042C or MC14042
IC10:μPD4069UBC or TC4069UBP or MB84069B
IC11:μPD1703C-016
IC12:μPB553AC
IC13:M51903L

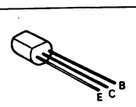
IC14 :AN6552 or μPC4557C
Q21～27,29,32,33,40～45,48,49,52～67,71～75,88,89,91～96 :2SA733(A)(Q,P) or 2SA999(E,F)
Q28,97 :2SK105(H,J)
Q30,34～39 :2SD863
Q31,46,47,50,51,81～87,90,98 :2SC945(A)(Q,P) or 2SC2320(E,F) or 2SC828A(Q,R)

D31～48,50～63,66～71,80～88 :IS2076 or IS1555
D49 :XZ-080
D64,65 :1N60

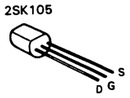
(X05-2000-10)

REGULATOR
LAMP DRIVER
DIMMER ON/OFF
FL CLOCK DIGIT DRIVER
MICRO COMPUTER
PRE SCALER
FL FREQUENCY SEGMENT DRIVER
BCD INPUT
DECIMAL OUTPUT

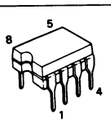
2SA733 (A)
2SA999
2SC828A
2SC945 (A)
2SC2320
2SD863



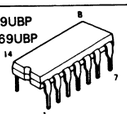
2SK105



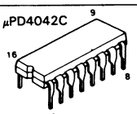
μPB553AC
μPC4557C



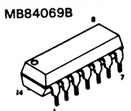
TC4069UBP
μPD4069UBP



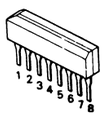
μPD4042C



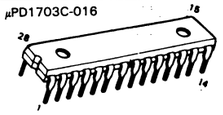
MB84069B



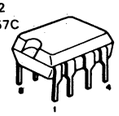
M51903L



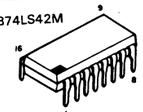
μPD1703C-016



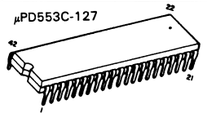
AN6552
μPC4557C



MB74LS42M



μPD553C-127



E F G H I J K L M N O

IC14 : AN6552 or μPC4557C

Q21~27,29,32,33,40~45,48,49,52~67,71~75,88,89,91~96 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q28,97 : 2SK105(H,J)
Q30,34~39 : 2SD863
Q31,46,47,50,51,81~87,90,98 : 2SC945(A)(Q,P) or 2SC2320(E,F) or 2SC828A(Q,R)

D31~48,50~63,66~71,80~88 : IS2076 or IS1555
D49 : XZ-080
D64,65 : IN60

(X05-2000-10)

20C or TC4020UBP
042
069UBP or MB84069B

SUN MON TUE WED THU FRI SAT TUNED STEREO
MEMORY LOCKED A-OFF THRU
88:88 FM AM 188.8 MHz kHz
SIGNAL MEMORY

FL BRIGHTNESS ADJ.

IC7 MICRO COMPUTER
IC10
IC8
IC11 MICRO COMPUTER
IC12 PRE SCALER
IC14
IC6
IC13

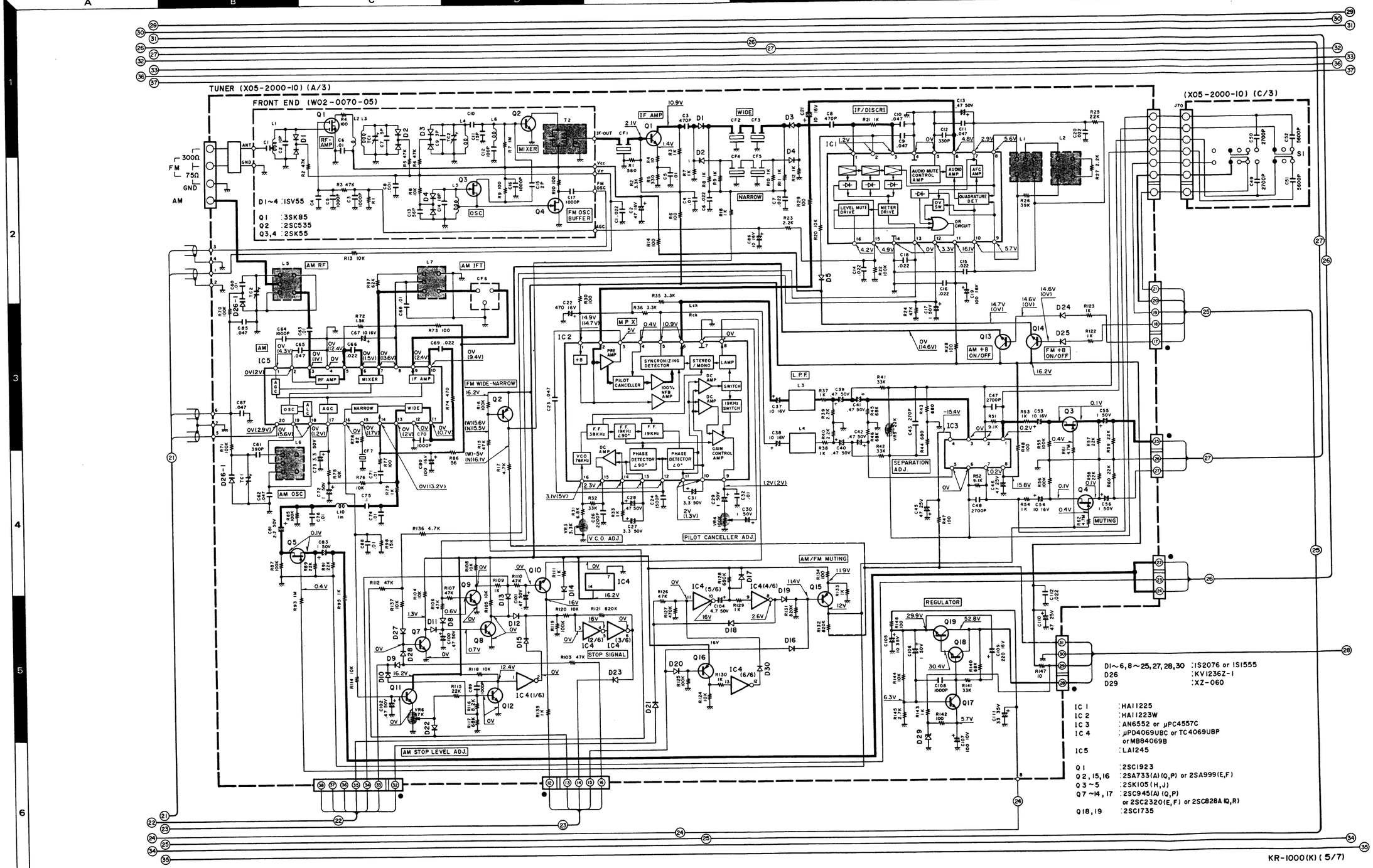
CP10 CP11 CP12 CP2 CP9 CP24 CP7 CP5 CP6

DIMMER ON/OFF

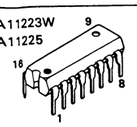
FL FREQUENCY SEGMENT DRIVER
FL FREQUENCY DIGIT DRIVER
S METER SEG. DRIVER
STEREO SEG. DRIVER
TUNED SEG. DRIVER
STANDARD POWER SUPPLY
POWER SUPPLY VOLTAGE DETECTOR
VOLTAGE DETECTOR
MULTIPLIER
AMP

KR-1000(K)(4/7)

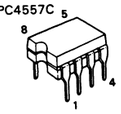
9B M51903L μPD1703C-016 AN6552 μPC4557C MB74LS42M μPD553C-127



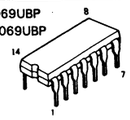
HA11223W
HA11225



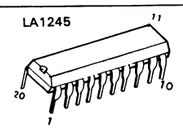
μPC4557C



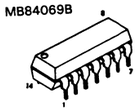
TC4069UBP
μPD4069UBP



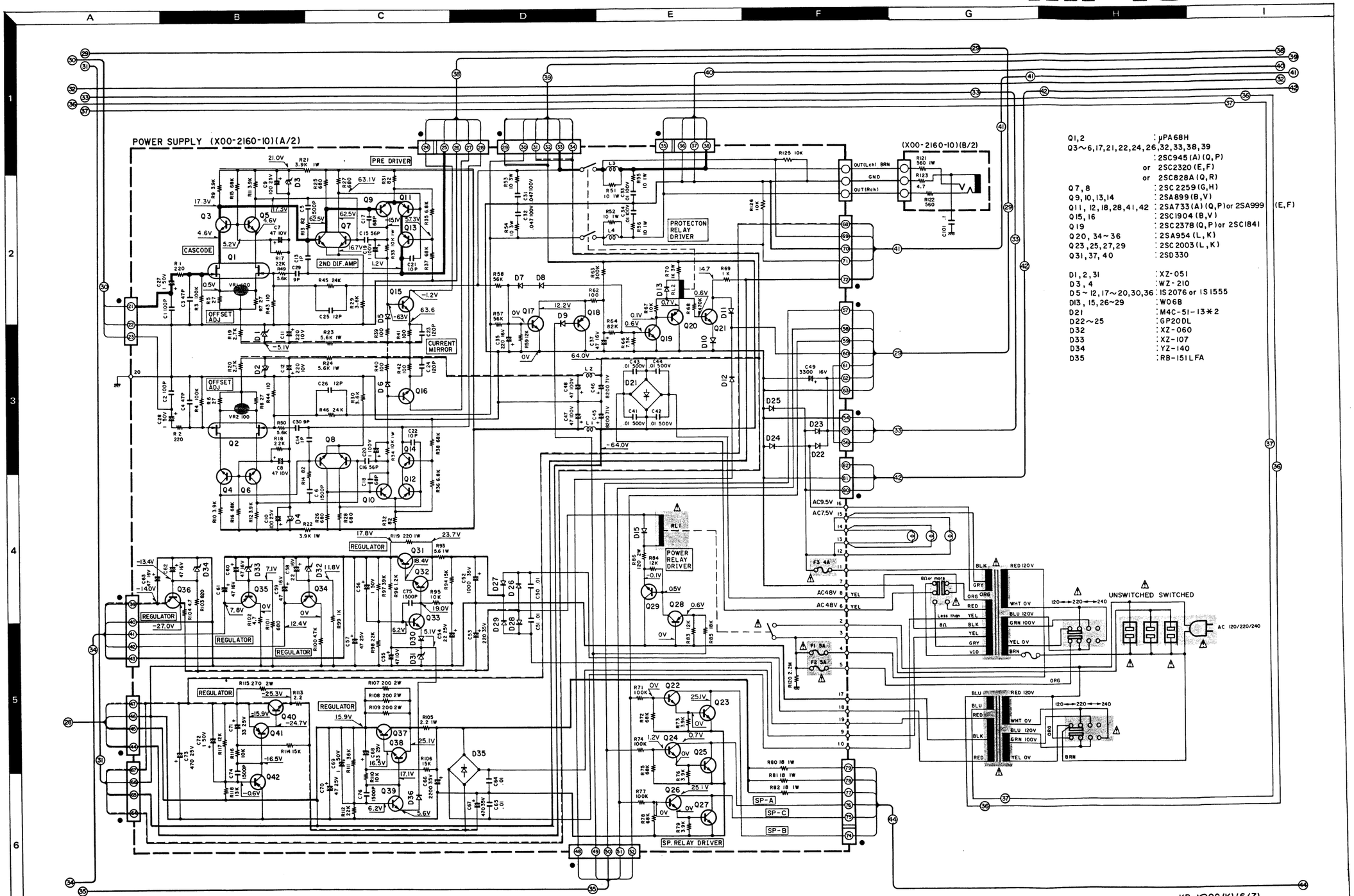
LA1245



MB84069B



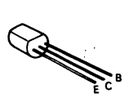
AN6552



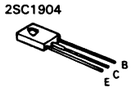
Q1,2 : μPA68H
Q3~6,17,21,22,24,26,32,33,38,39 : 2SC945(A)(Q,P)
or 2SC2320(E,F)
or 2SC828A(Q,R)
Q7,8 : 2SC2259(G,H)
Q9,10,13,14 : 2SA899(B,V)
Q11,12,18,28,41,42 : 2SA733(A)(Q,P)or 2SA999 (E,F)
Q15,16 : 2SC1904(B,V)
Q19 : 2SC2378(Q,P)or 2SC1841
Q20,34~36 : 2SA954(L,K)
Q23,25,27,29 : 2SC2003(L,K)
Q31,37,40 : 2SD330

D1,2,31 : XZ-051
D3,4 : WZ-210
D5~12,17~20,30,36 : IS2076 or IS1555
D13,15,26~29 : W06B
D21 : M4C-51-13*2
D22~25 : GP20DL
D32 : XZ-060
D33 : XZ-107
D34 : YZ-140
D35 : RB-151LFA

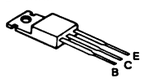
2SA733 (A)
2SA954
2SA999
2SC828A
2SC945 (A)
2SC1841
2SC2003
2SC2320
2SC2378



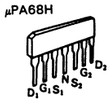
2SA899
2SC1904

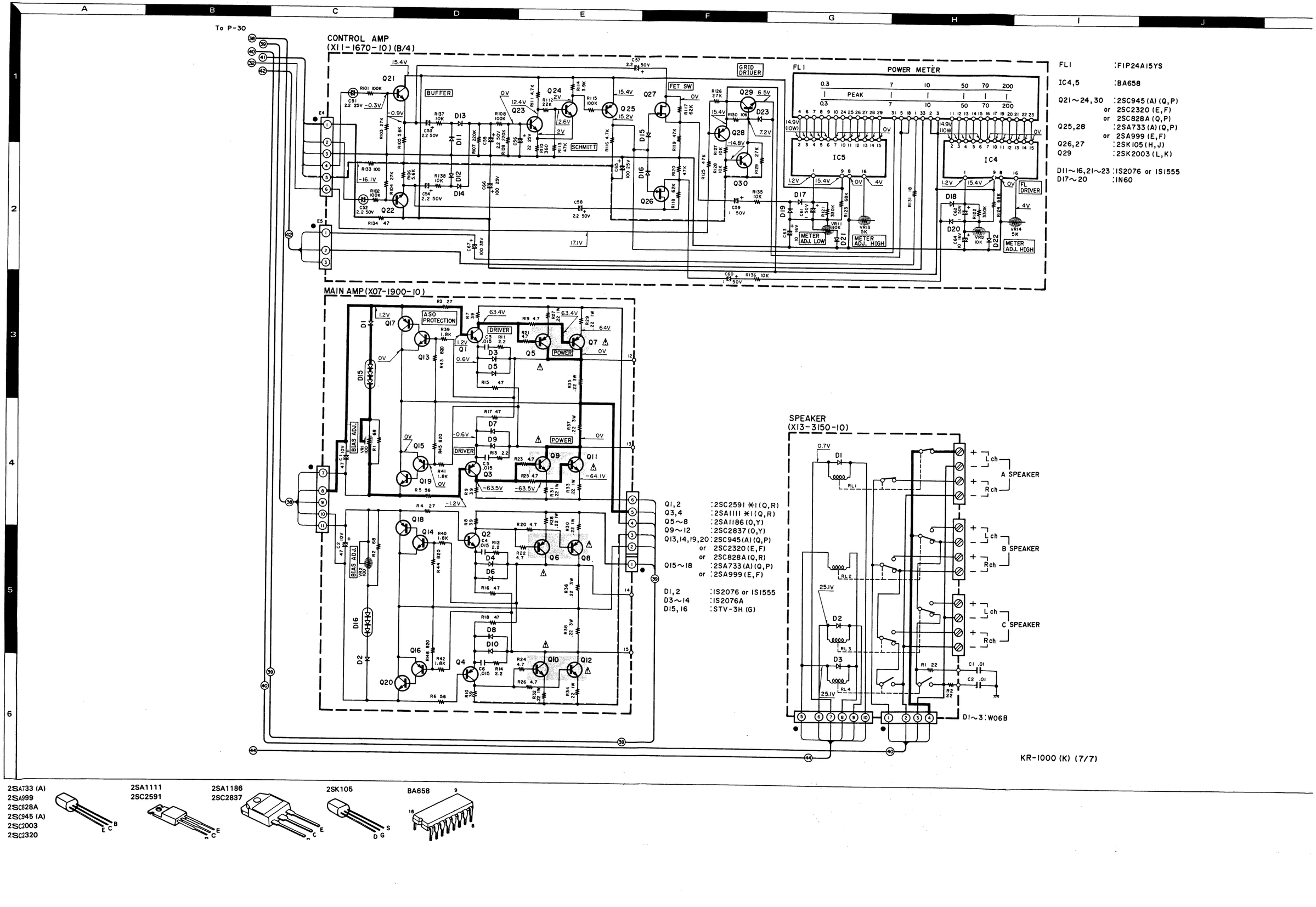


2SD330



μPA68H





FL1 :FIP24A15YS

IC4,5 :BA658

Q21~24,30 :2SC945(A)(Q,P)
or 2SC2320(E,F)
or 2SC828A(Q,P)
Q25,28 :2SA733(A)(Q,P)
or 2SA999(E,F)
Q26,27 :2SK105(H,J)
Q29 :2SK2003(L,K)

D11~16,21~23 :1S2076 or 1S1555
D17~20 :1N60

Q1,2 :2SC2591 ✳1(Q,R)
Q3,4 :2SA1111 ✳1(Q,R)
Q5~8 :2SA1186(O,Y)
Q9~12 :2SC2837(O,Y)
Q13,14,19,20 :2SC945(A)(Q,P)
or 2SC2320(E,F)
or 2SC828A(Q,R)
Q15~18 :2SA733(A)(Q,P)
or :2SA999(E,F)

D1,2 :1S2076 or 1S1555
D3~14 :1S2076A
D15,16 :STV-3H(G)

D1~3 :W06B

KR-1000(K) (7/7)

2SA733(A)
2SA999
2SC828A
2SC945(A)
2SC2003
2SC2320

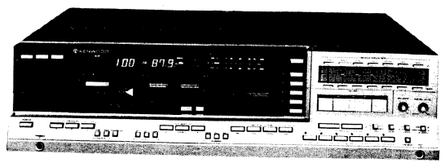
2SA1111
2SC2591

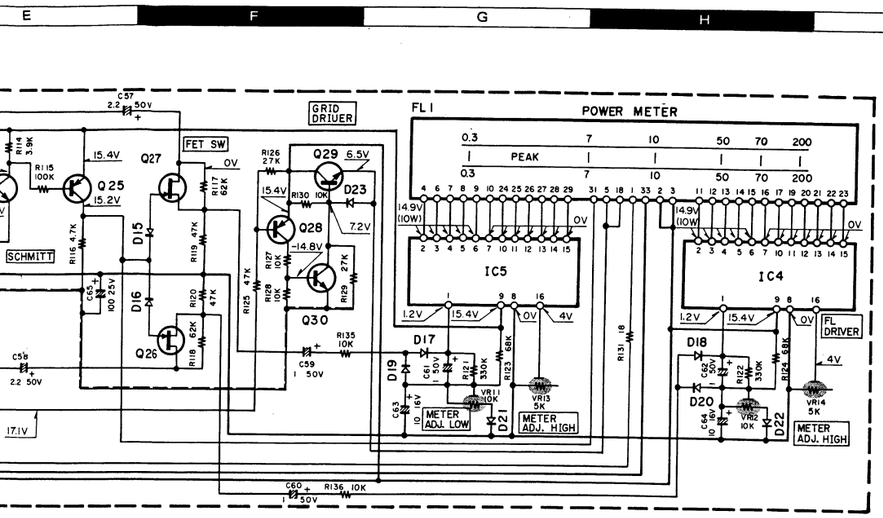
2SA1186
2SC2837

2SK105

BA658

KR-1000/B



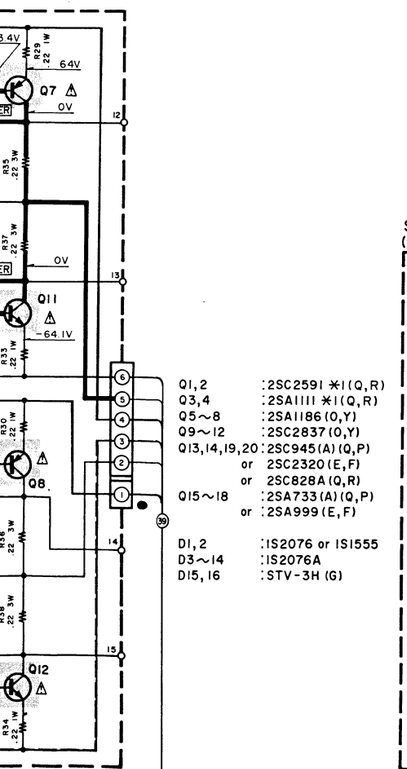


FL1 :FIP24A15YS

IC4,5 :BA658

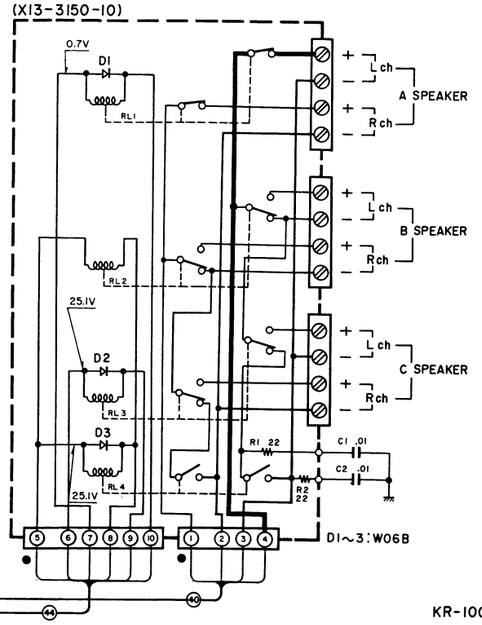
Q21~24,30 :2SC945(A)(Q,P)
or 2SC2320(E,F)
or 2SC828A(Q,P)
Q25,28 :2SA733(A)(Q,P)
or 2SA999(E,F)
Q26,27 :2SK105(H,J)
Q29 :2SK2003(L,K)

D11~16,21~23 :IS2076 or IS1555
D17~20 :1N60



Q1,2 :2SC2591 *1(Q,R)
Q3,4 :2SA1111 *1(Q,R)
Q5~8 :2SA1186(O,Y)
Q9~12 :2SC2837(O,Y)
Q13,14,19,20 :2SC945(A)(Q,P)
or 2SC2320(E,F)
or 2SC828A(Q,R)
Q15~18 :2SA733(A)(Q,P)
or :2SA999(E,F)

D1,2 :IS2076 or IS1555
D3~14 :IS2076A
D15,16 :STV-3H(G)



KR-1000 (K) (7/7)

SPECIFICATIONS

AUDIO SECTION

Power Output

120 watts* per channel minimum RMS, both channel driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.01% total harmonic distortion.

Total Harmonic Distortion (20 Hz to 20,000 Hz from TAPE)	
rated power into 8 ohms	0.01%
1 watt power into 8 ohms	0.005%
Intermodulation Distortion (60 Hz : 7 kHz=4 : 1 SMPTE)	
rated power into 8 ohms	0.005%
Slew Rate	±15V/μsec
Rise Time	1.2 μsec
Damping Factor (at 1 kHz into 8 ohms)	75
Input Sensitivity/Impedance	
PHONO	2.5 mV/50k ohms
TAPE, AUX	150 mV/50k ohms
MIC	2.5 mV/50k ohms
Signal to Noise Ratio (A weighted)	
PHONO	82 dB for 2.5 mV input 88 dB for 5.0 mV input
TAPE, AUX	105 dB for 150 mV input
MIC	72 dB for 2.5 mV input
Maximum PHONO Input Level at 1,000 Hz	150 mV (rms, THD 0.03%
Frequency Response	
PHONO RIAA Standard Curve	20 Hz to 20,000 Hz ±0.3 dB
TAPE, AUX	3 Hz to 270,000 Hz −3 dB
Tone Control: 7-Band Multiple Acoustic Compensator	
60 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6 kHz and 15 kHz	±10 dB at each Frequency
Loudness Control (Vol. −30 dB)	+10 dB at 100 Hz
Subsonic Filter	18 Hz 6 dB/oct
High Filter	5 kHz 6 dB/oct
Output Level/Impedance	
TAPE REC Out (PIN)	150 mV/1k ohms
(DIN)	30 mV/80k ohms

*Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier in U.S.A.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

FM TUNER SECTION

Usable Sensitivity	10.3 dBf (1.8 μV)
50 dB Quieting Sensitivity	
Mono	16.1 dBf (3.5 μV)
Stereo	35.6 dBf (35 μV)
Signal to Noise Ratio at 65 dBf	
Mono	76 dB
Stereo	70 dB
Total Harmonic Distortion at 1,000 Hz (wide)	
Mono	0.09%
Stereo	0.1%
Frequency Response	30 Hz to 15,000 Hz +0.5 dB −1.0 dB
Capture Ratio	1.0 dB
Image Rejection Ratio	80 dB (98 MHz)
Spurious Response Ratio	90 dB (98 MHz)
IF Response Ratio	100 dB (98 MHz)
Alternate Channel Selectivity	
WIDE	30 dB at ±300 kHz
NARROW	60 dB at ±300 kHz
AM Suppression Ratio	60 dB
Stereo Separation Ratio (wide)	
at 1,000 Hz	50 dB
at 50 Hz to 10,000 Hz	37 dB
Subcarrier Product Ratio	65 dB
Antenna Impedance	300 ohms balanced and 75 ohms unbalanced
FM Frequency Range	88 MHz to 108 MHz

AM TUNER SECTION

Usable Sensitivity	14 μV
Signal to Noise Ratio	50 dB
Image Rejection	40 dB
Selectivity	45 dB

GENERAL

Power Consumption	700 watts at full power 120 watts at no signal 4.1 watts at power switch off
AC Outlets	Switched 2, Unswitched 1
Dimensions	W 550 mm (21-21/32") H 155 mm (6-3/32") D 443 mm (17-7/16")
Net Weight	16.2 kg (35.7 lb)
Gross Weight	18.5 kg (40.8 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.